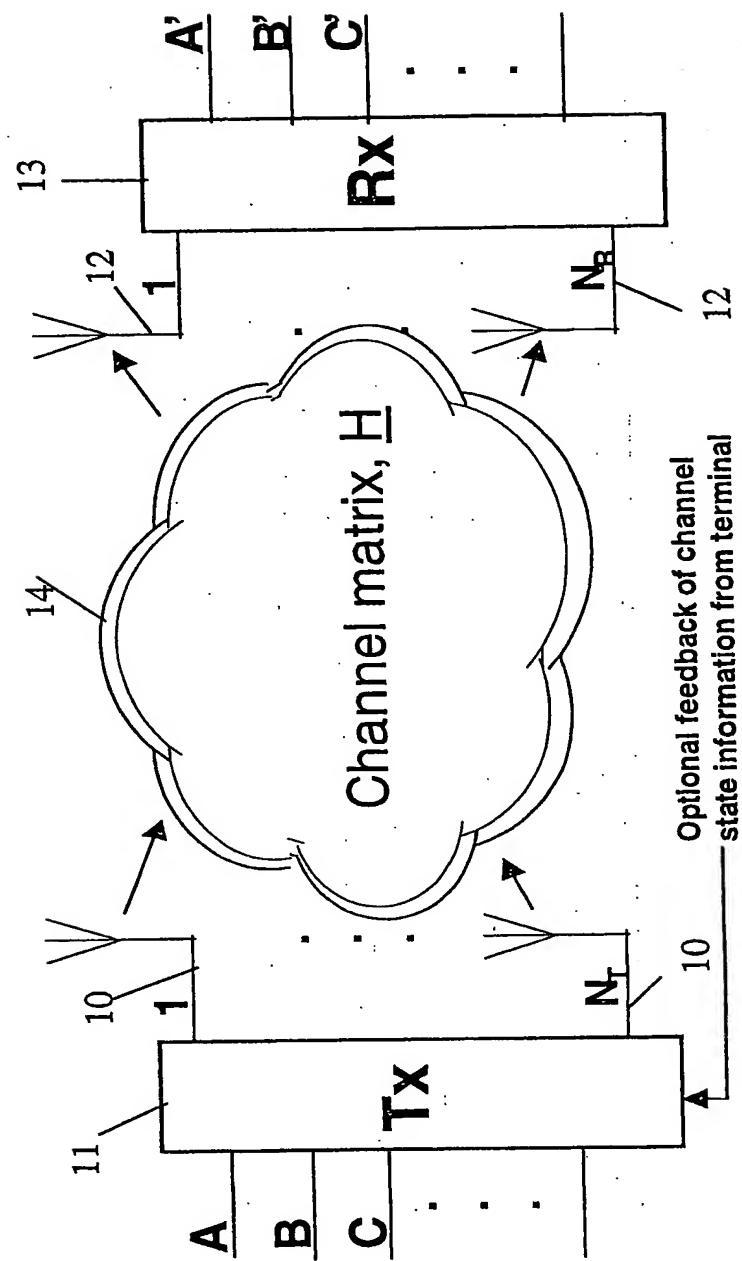




1/20 15

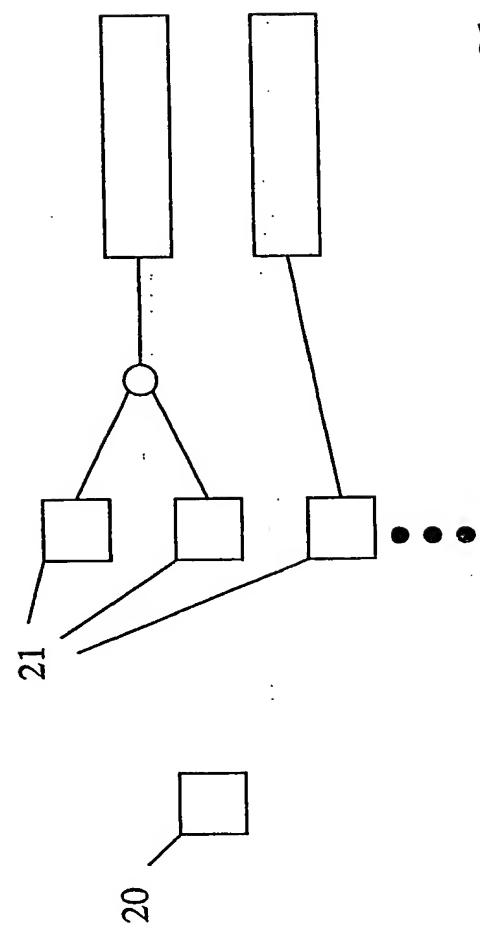
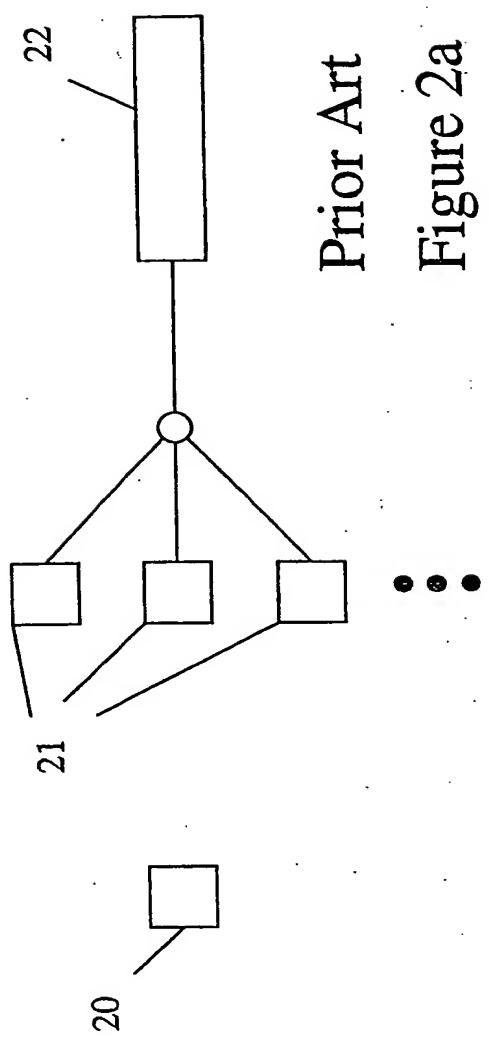


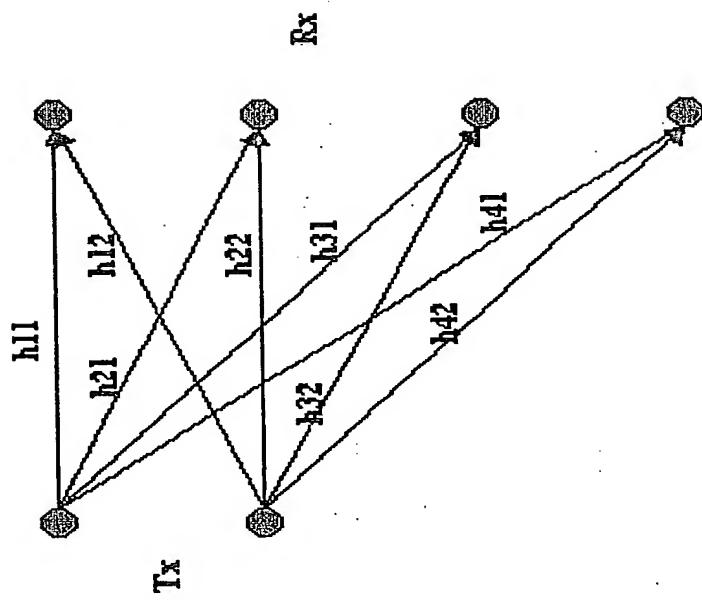
PRIOR ART

FIGURE 1



2/20 15



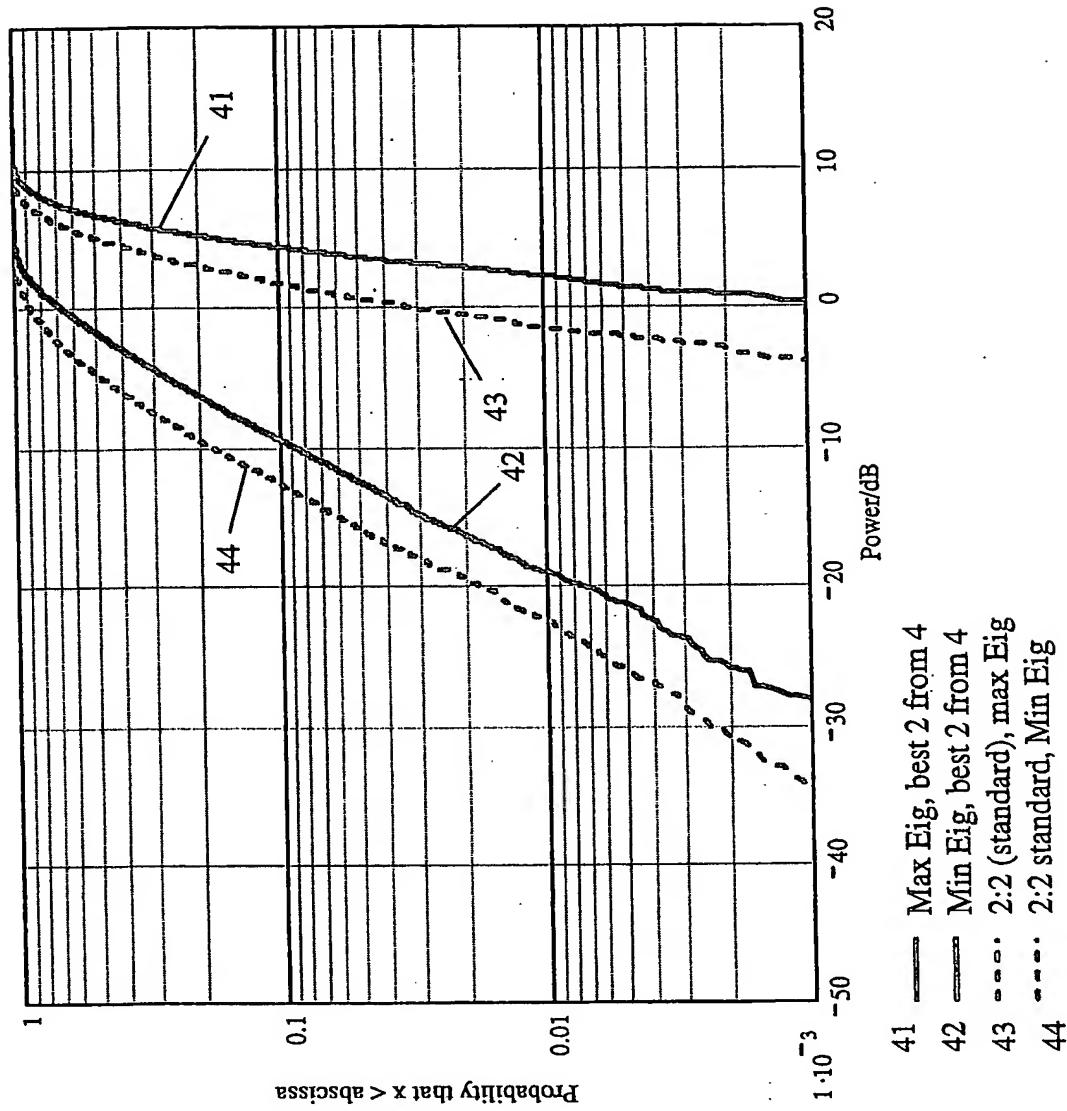


MIMO configuration with 2 Node B antennas and 4 UE antennas

Figure 3



4/20 15



Comparison of eigenvalues for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.

Figure 4



5 10/20 15

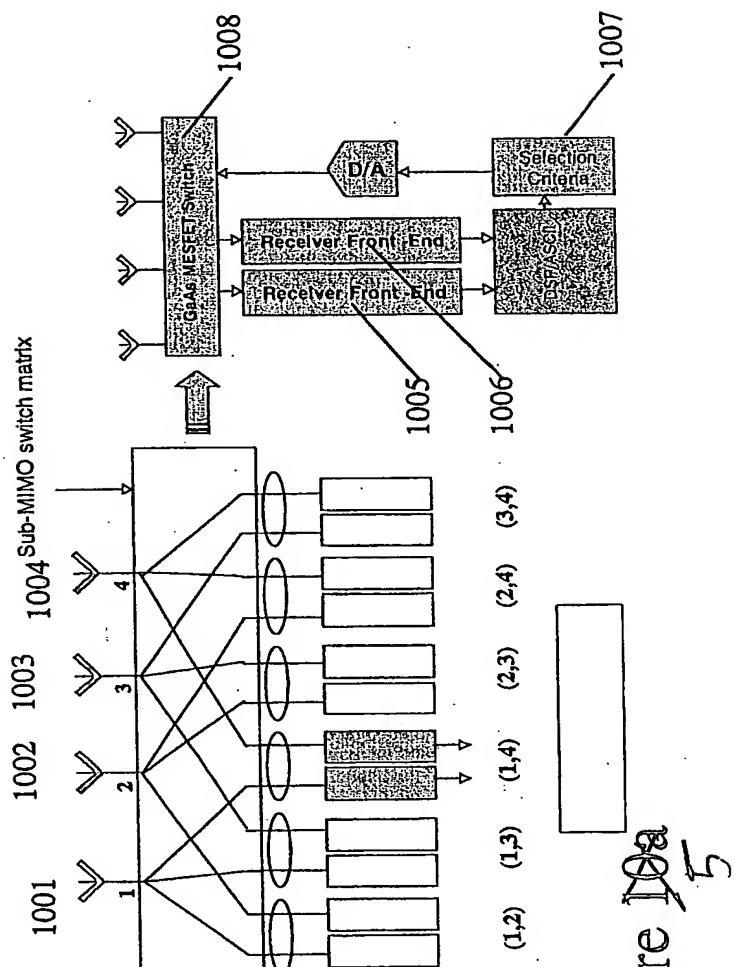


Figure 10a



6/12/2015

<p>4-antenna</p> <p><math>(1,2) (1,3) (1,4) (2,3) (2,4) (3,4)</math></p> <p>disjoint switch</p>	<p><math>(1,2) (1,3) (1,4) (1,5) (1,6) (2,3) (2,4) (2,5)</math></p> <p><math>(2,6) (3,4) (3,5) (3,6) (4,5) (4,6) (5,6)</math></p> <p>example of overlap switch (keep Ant #1)</p> <p>disjoint switch</p> <p>example of overlap switch (keep Ant #1)</p>
<p>6-antenna</p>	

Figure 106 6



7/20/2015

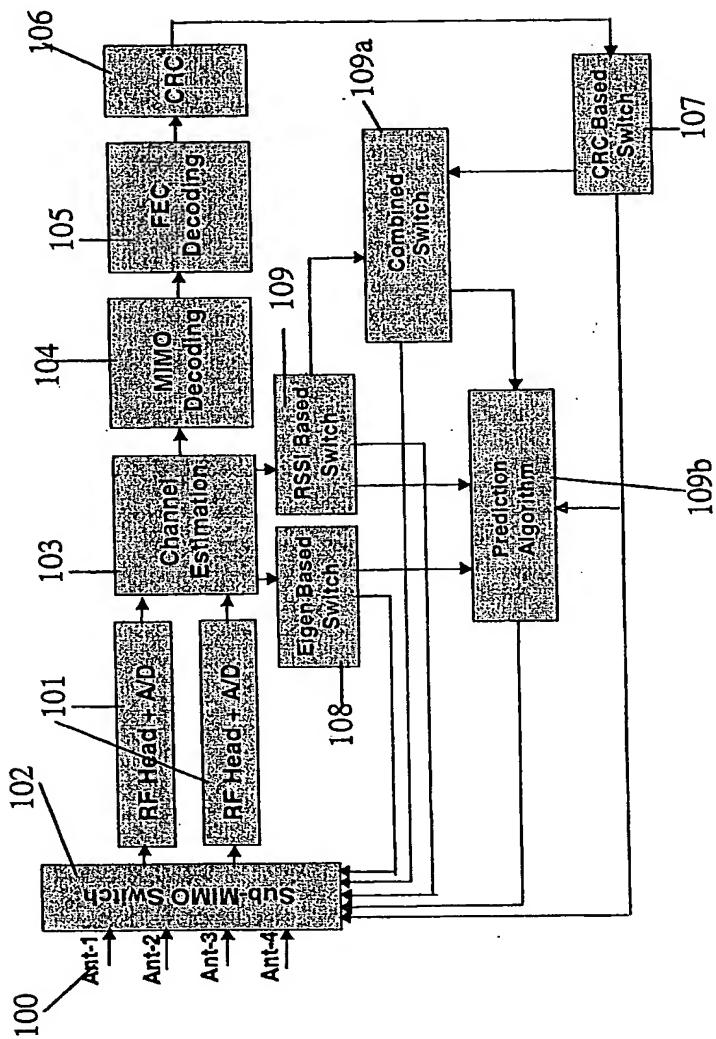


Figure 106-7



8/28/02 15

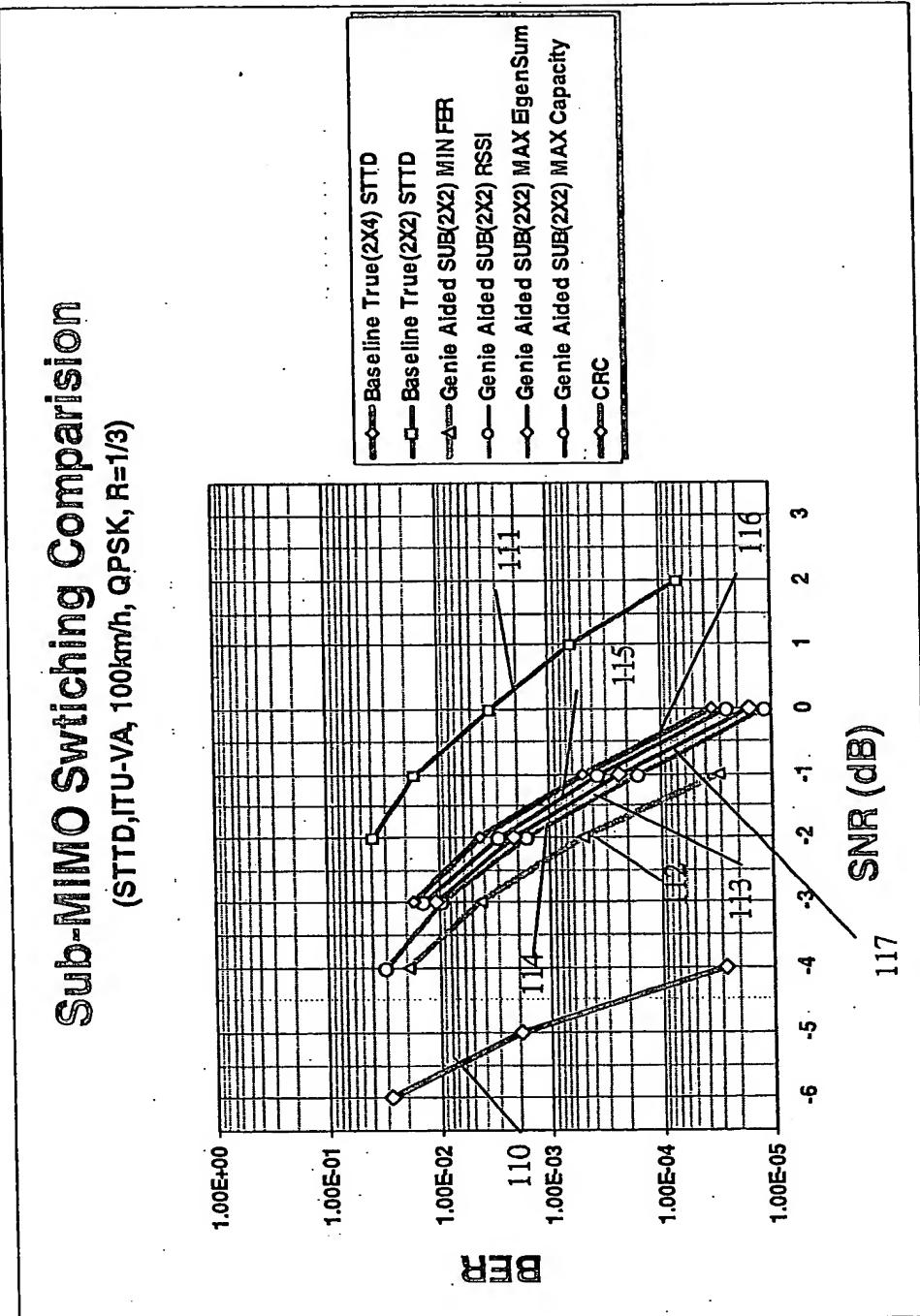


Figure X8



9 14/20 15

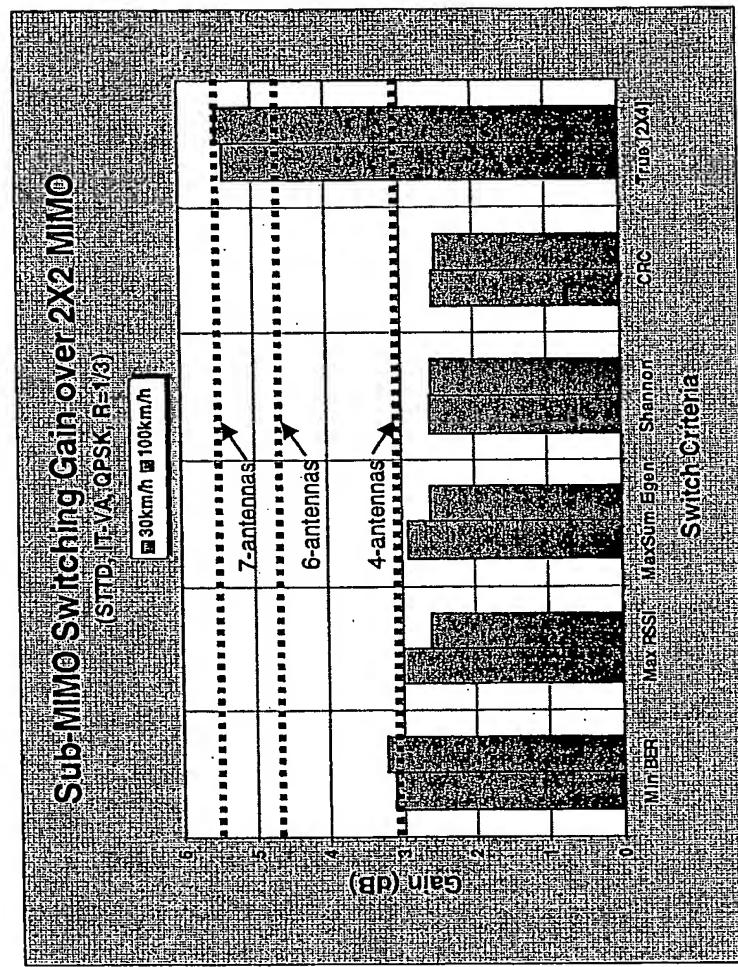


Figure 14-9



10 1512015

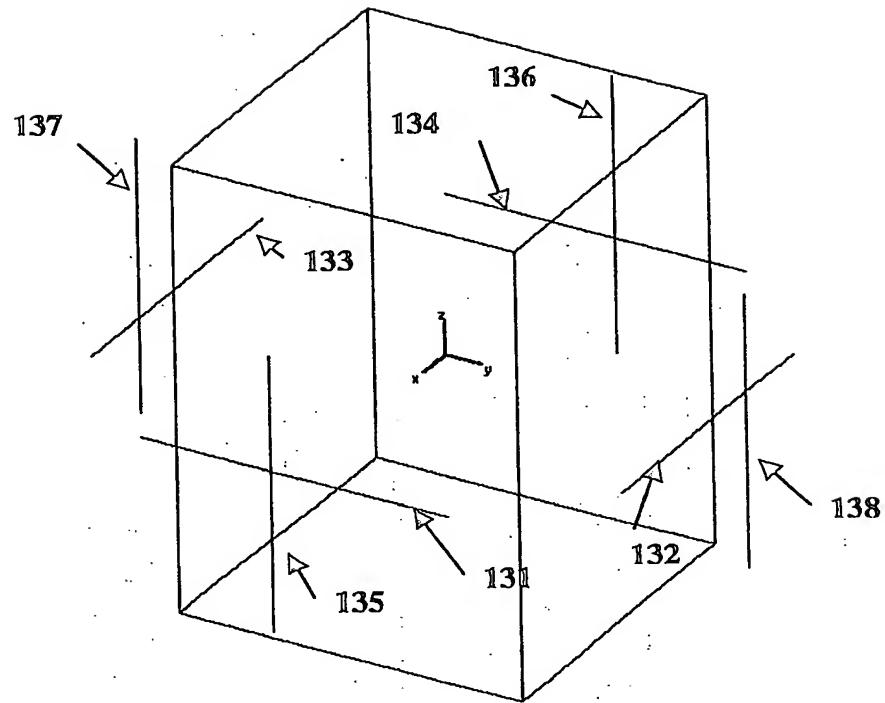


Figure 10



11/15  
~~16/20~~

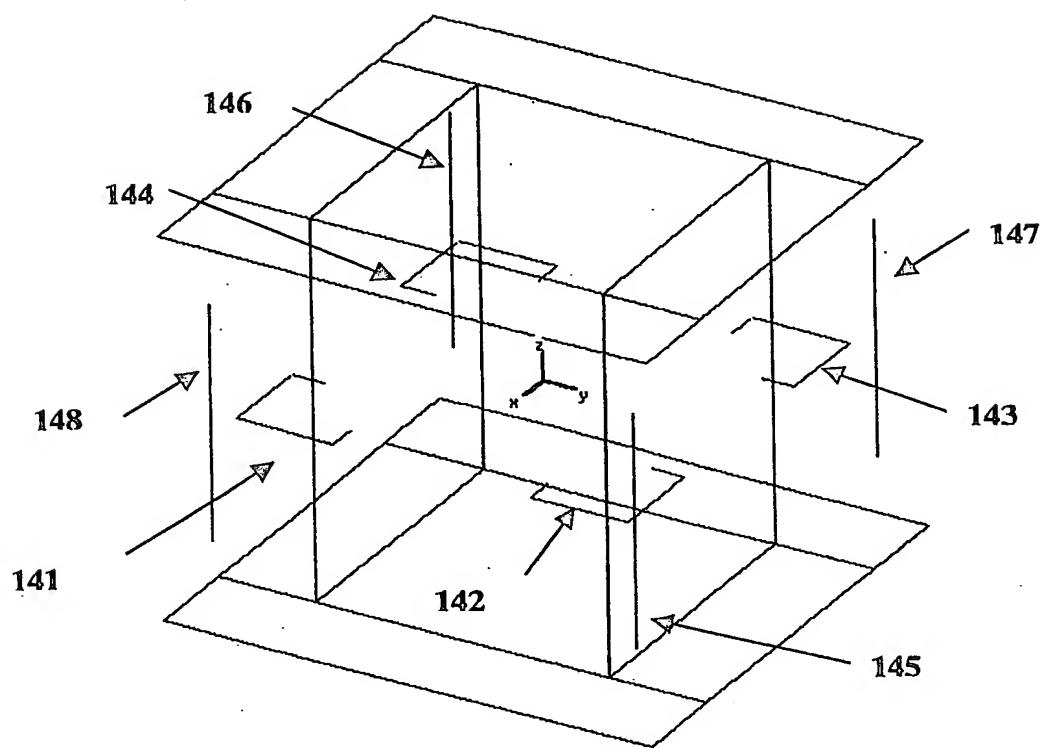


Figure 11



12/12/2015

	Configuration 1		Configuration 2	
Average signal level (dB)	180°	4.6	180°	3.9
	90°	6.7	90°	4.8
Signal level spread (dB)	180°	1.4	180°	1.5
	90°	0.5	90°	0.3
Average standard deviation (dB)	180°	4.1	180°	1.7
	90°	1.4	90°	0.4
Lowest maximum achievable diversity gain (dB) (unit 0° orientation)	11.5	15		
Lowest maximum achievable diversity gain (dB) (unit 45° orientation)	14.5	14		

Figure 12



13/18/2015

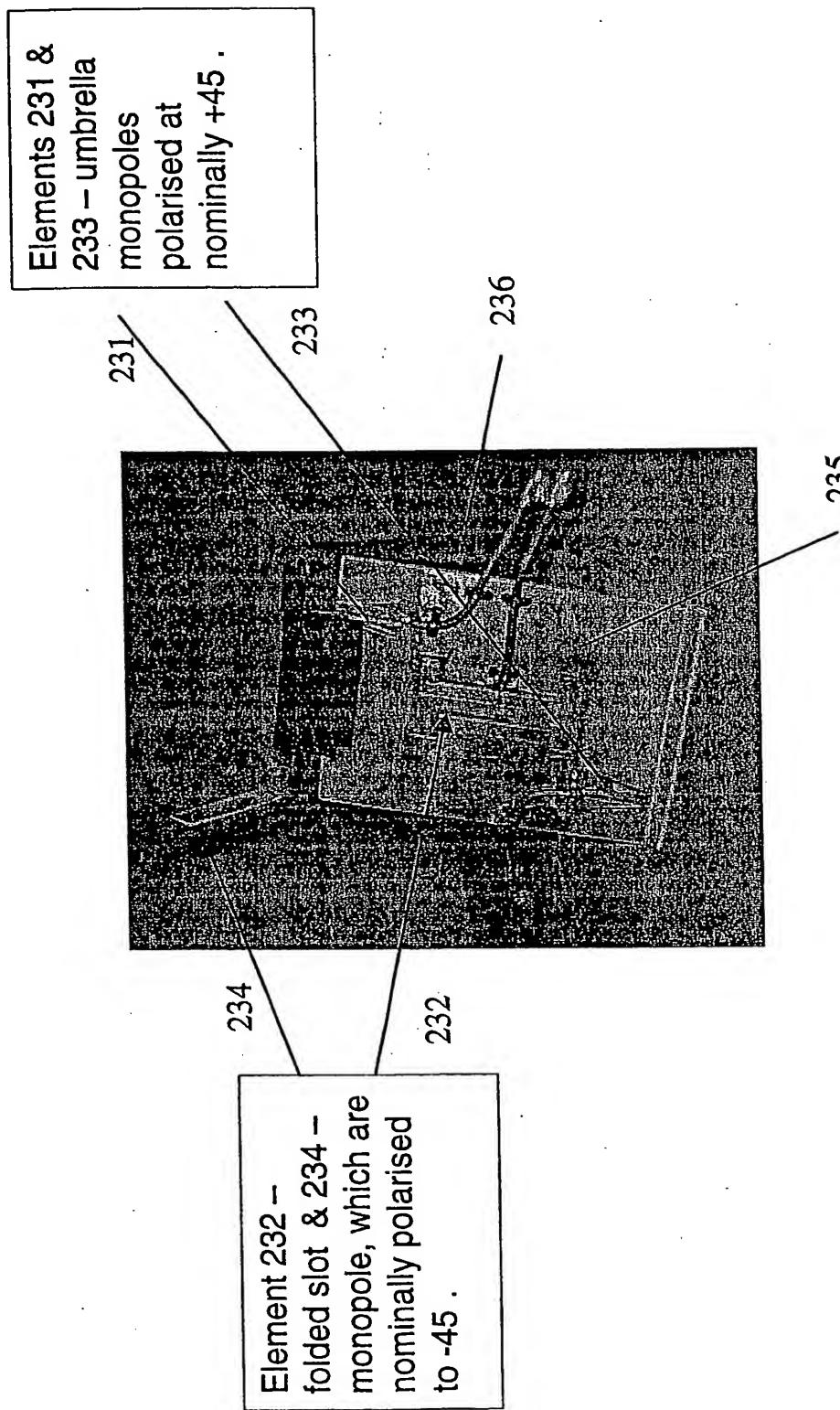


FIGURE 13



14 19/20/15

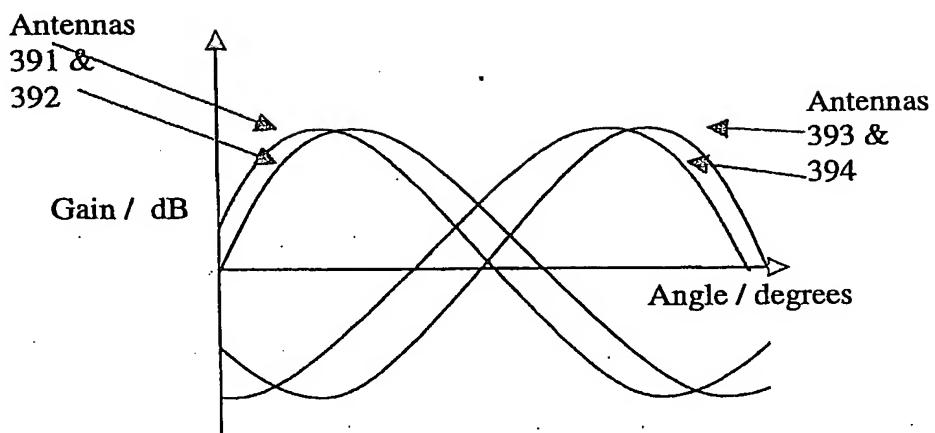


Figure 14



15 20/20 15

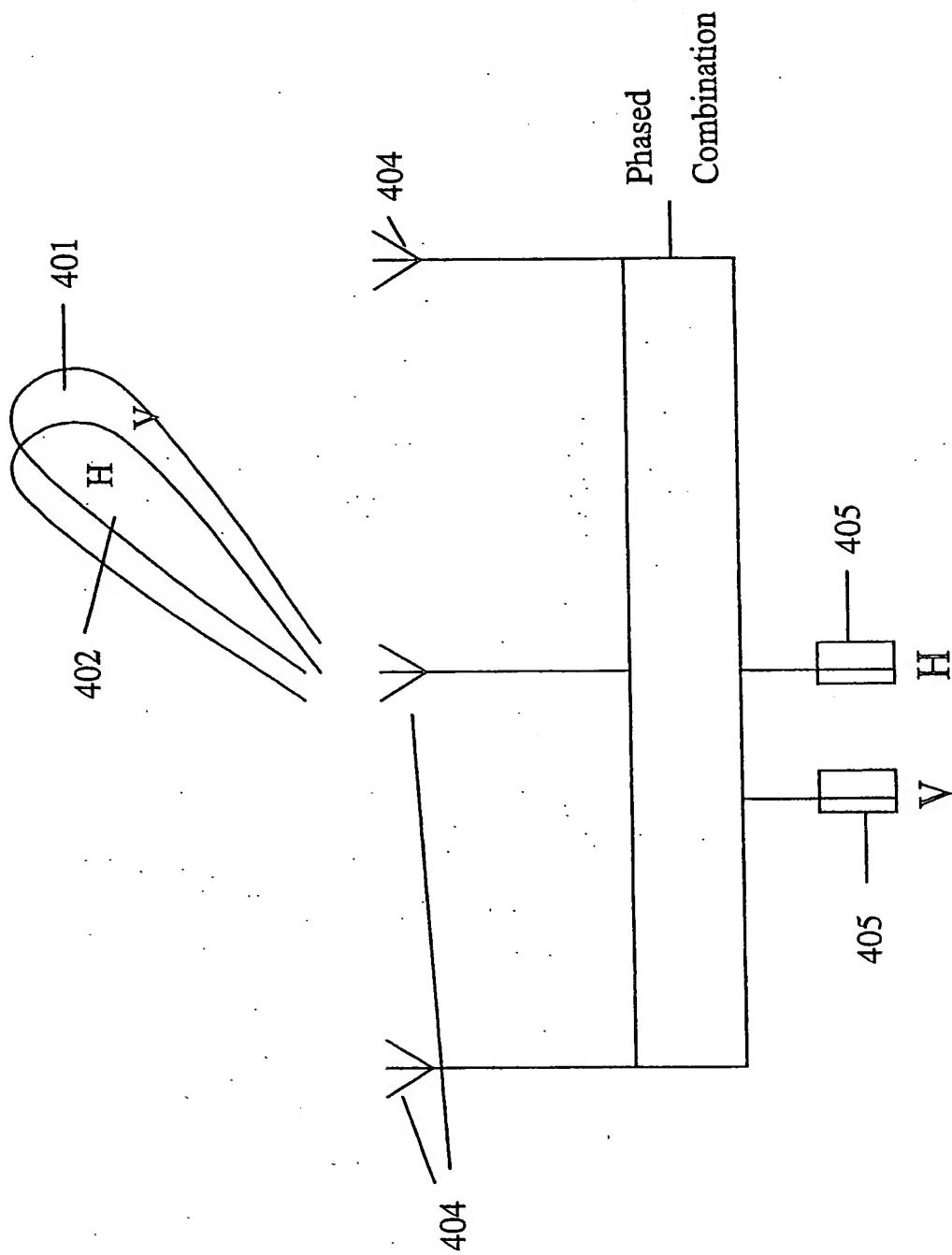


FIGURE 28 15